

Notice of Allowability

Application No.

09/934,401

Examiner

Ting Zhou

Applicant(s)

ROYALTY, CHARLES D.

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 28 March 2006.
2. ☒ The allowed claim(s) is/are 1,3-7,9-11,17,20 and 21.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

Kristine Kincaid
 KRISTINE KINCAID
 SUPERVISORY PATENT EXAMINER
 TECHNOLOGY CENTER 2100

DETAILED ACTION

1. The after-final amendment filed on 28 March 2006 have been received and entered.

Claims 1, 3-7, 9-11, 17 and 20-21 were previously indicated as allowable subject matter. The applicant has cancelled claims 12-16 and 22. Claims 1, 3-7, 9-11, 17 and 20-21 are pending in the application.

Allowable Subject Matter

2. Claims 1, 3-7, 9-11, 17 and 20-21 are allowed.

3. The following is an examiner's statement of reasons for allowance: The present invention teaches a method for detecting application spoofing in displays such as certified flight deck displays that allow the mixed use of a certified avionics display to display information from non-certified sources. Each of the independent claims identifies either the distinct feature of "maintaining the displaying of the certified display on the display area while simultaneously displaying the information from the non-certified source and displaying the information on the display area in front of the certified display so that the information is visible on the avionics display, at least a portion of the certified display is visible on the avionics display and the information covers a portion of the certified display that would otherwise be displayed" or the distinct feature of providing the non-certified source with a false indication of the size of the display area so that the non-certified source does not address the entire display area. The closest prior art, McElreath U.S. Patent 6,401,013 and Doll et al. European Patent 429,387 teaches the mixed display of certified and non-certified information on an aircraft having a certified flight

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deck display. In the case of the McElreath reference, McElreath teaches partitioning the flight deck display in order to display both certified and non-certified information. In the case of the Doll reference, Doll teaches the display of non-certified information within the display of certified information. However, the prior art fails to teach displaying the information on the display area in front of the certified display so that the information is visible on the avionics display, at least a portion of the certified display is visible on the avionics display and the information covers a portion of the certified display that would otherwise be displayed, or providing the non-certified source with a false indication of the size of the display area so that the non-certified source does not address the entire display area. Thus, the prior art fails to anticipate or render the above limitations obvious.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ting Zhou whose telephone number is (571) 272-4058. The examiner can normally be reached on Monday - Friday 7:00 am - 4:30 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca can be reached at (571) 272-4048. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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